

Name: \_\_\_\_\_

**pb1103: Factoring when  $a = \text{prime}$  (v47)**

1. Factor the expression  $5x^2 - 46x + 48$

$$(5x - 6)(x - 8)$$

2. Factor the expression  $3x^2 - 10x - 25$

$$(3x + 5)(x - 5)$$

3. Factor the expression  $3x^2 + 8x - 35$

$$(3x - 7)(x + 5)$$

4. Factor the expression  $3x^2 - 4x - 4$

$$(3x + 2)(x - 2)$$

5. Factor the expression  $11x^2 - 59x + 20$

$$(11x - 4)(x - 5)$$

6. Factor the expression  $5x^2 - 14x - 3$

$$(5x + 1)(x - 3)$$

7. Factor the expression  $2x^2 + 15x - 8$

$$(2x - 1)(x + 8)$$

8. Factor the expression  $5x^2 + 43x + 56$

$$(5x + 8)(x + 7)$$

9. Factor the expression  $5x^2 + 48x + 27$

$$(5x + 3)(x + 9)$$

10. Factor the expression  $7x^2 - 55x - 72$

$$(7x + 8)(x - 9)$$